

DEFENSE INFORMATION SYSTEMS AGENCY
Interoperability Directorate, 5600 Columbia Pike, Falls Church, VA 22041-2717
SYMOLOGY STANDARDS MANAGEMENT COMMITTEE DIRECTIVE

SSMC NO: 2-03

Date: July 24, 2003

CP No: MIL00-34A

Title: Circular Airspace Coordination Area

Originator, Name and Address:

PM FATDS

SSMC Action:

- Approved
 - Approved with Changes
 - Withdrawn
 - Deferred
 - Declared Substantive
- By:
- Disapproved
 - Testing Required
 - Prior to Decision
 - Subsequent to Decision
 - Allied Coordination Required

Decision:

Approved as submitted.

Votes Cast/Proposed Change

Approve Disapprove Abstain N/A

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USN
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	USMC
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DIA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DISA

Chairperson


(Signature)

SYMOLOGY CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM			
CHANGE PROPOSAL NUMBER		MIL00-34A	
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION
PM FATDS	ARMY	August 6, 2001	July 24, 2003
CHANGE PROPOSAL TITLE			
ADD NEW SYMBOL, AIRSPACE COORDINATION AREA (ACA), CIRCULAR			
SUGGESTED CHANGE			
<p>The Fire Support community has a requirement to add a new symbol to MIL-STD-2525B.</p> <ol style="list-style-type: none"> 1. The purpose of the Airspace Coordination Area (ACA), Circular symbol is to graphically display circular Airspace Coordination Areas to commanders in the Common Operational Picture (COP)/Common Tactical Picture (CTP). 2. Recommend adding to hierarchy item 2.X.4, Fire Support, under the “Areas” hierarchy, 2.X.4.3, figure B-17, and table B-IV. 			
OVERVIEW			
<p>Currently, the standard does not contain a symbol depicting Airspace Coordination Areas, Circular. The Airspace Coordination Area, Circular symbol is used to graphically display a three-dimensional block of airspace in a target area, established by the appropriate ground commander, in which friendly aircraft are reasonably safe from friendly surface fires. Incorporation into MIL STD 2525B, which will be used in JMTK and GSD, will allow the symbols to be transmitted/received by all battlefield system. The Airspace Coordination Area, Circular is a required symbol for use in the COP/CTP to be shared across the battlefield. The development of the COP/CTP is required of all ABCS component systems. Fire Support systems are the producer of Airspace Coordination Areas, Circular for the COP/CTP. Fire Support systems will retain this capability for fielding throughout the Army and USMC.</p>			
OPERATIONAL DESCRIPTION			
<p>In general, the ACA, Circular is used graphically depict a three-dimensional block of airspace in a target area, established by the appropriate ground commander, in which friendly aircraft are reasonably safe from friendly surface fires. One (1) point location and a radius defined in meters are required to graphically display an Airspace Coordination Area, Circular. The minimum information required to interoperate with another system is defined below.</p>			
IMPLEMENTATION			
<p>Description: Fire Support, Areas, Command and Control Areas, Airspace Coordination Area (ACA), Circular</p> <p>Parameters:</p> <ol style="list-style-type: none"> 1. Anchor Points. This graphic requires one (1) anchor point and a radius. Point 1 defines the center point of the graphic. 2. Size/Shape. Size: The radius, defined in meters, defines the size. Shape: Circle. The information fields should be scaleable within the circle. 3. Orientation. Not applicable. <p>Fixed/Dynamic: Dynamic</p> <p>Hierarchy: 2.X.4.3.2.2.3</p> <p>Symbol ID: G*F*ACAC--****X</p>			

SYMBOL CONFIGURATION MANAGEMENT CHANGE PROPOSAL FORM			
CHANGE PROPOSAL NUMBER		MIL00-34A	
ORIGINATOR	SPONSOR	DATE RECEIVED	DATE OF ACTION
PM FATDS	ARMY	August 6, 2001	July 24, 2003
CHANGE PROPOSAL TITLE			
ADD NEW SYMBOL, AIRSPACE COORDINATION AREA (ACA), CIRCULAR			
Tactical Graphic:	Example:		
	ACA 53ID (M) MIN ALT: 500 MAX ALT: 3000 Grids NK2313 to NK3013 EFF: 281400ZAPR- 281530ZAPR		
JIEO ANALYSIS			
See JIEO ANALYSIS MIL00-34A			
C/S/A COMMENTS			
DECISION NOTICE			
Approved at SSMC 2-03.			

Attachment A

Tasks:

1. Modify Figure B-17 to reflect new hierarchy structure (Figure B-17 becomes Figures B-17.1 and B-17.2) and addition of new Fire Support graphics.

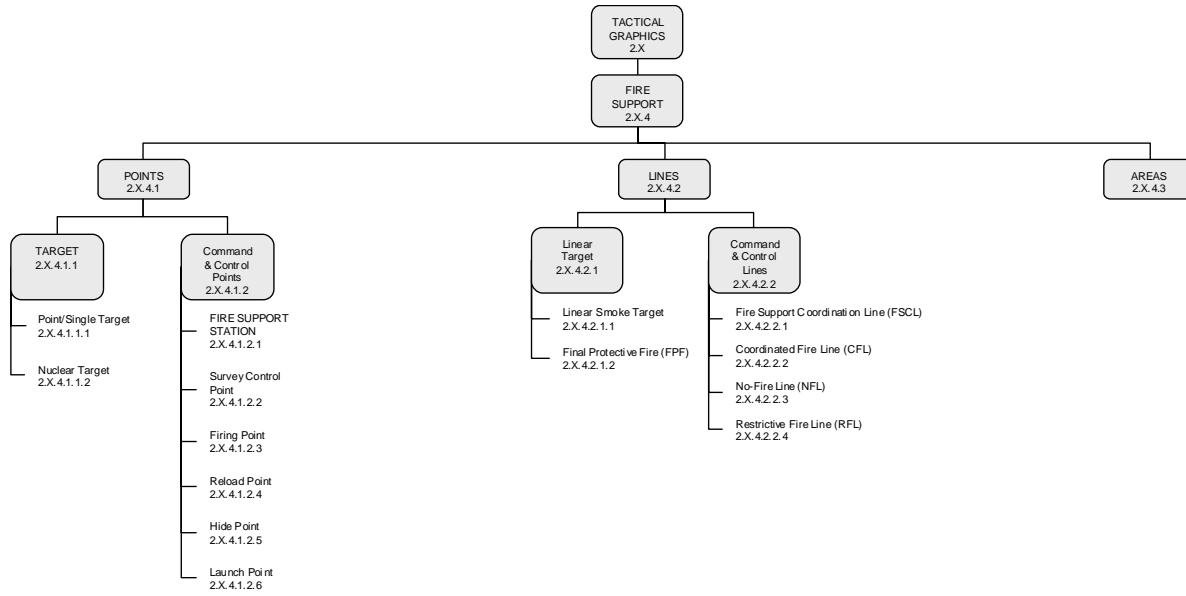


Figure B-17.1. Fire Support.

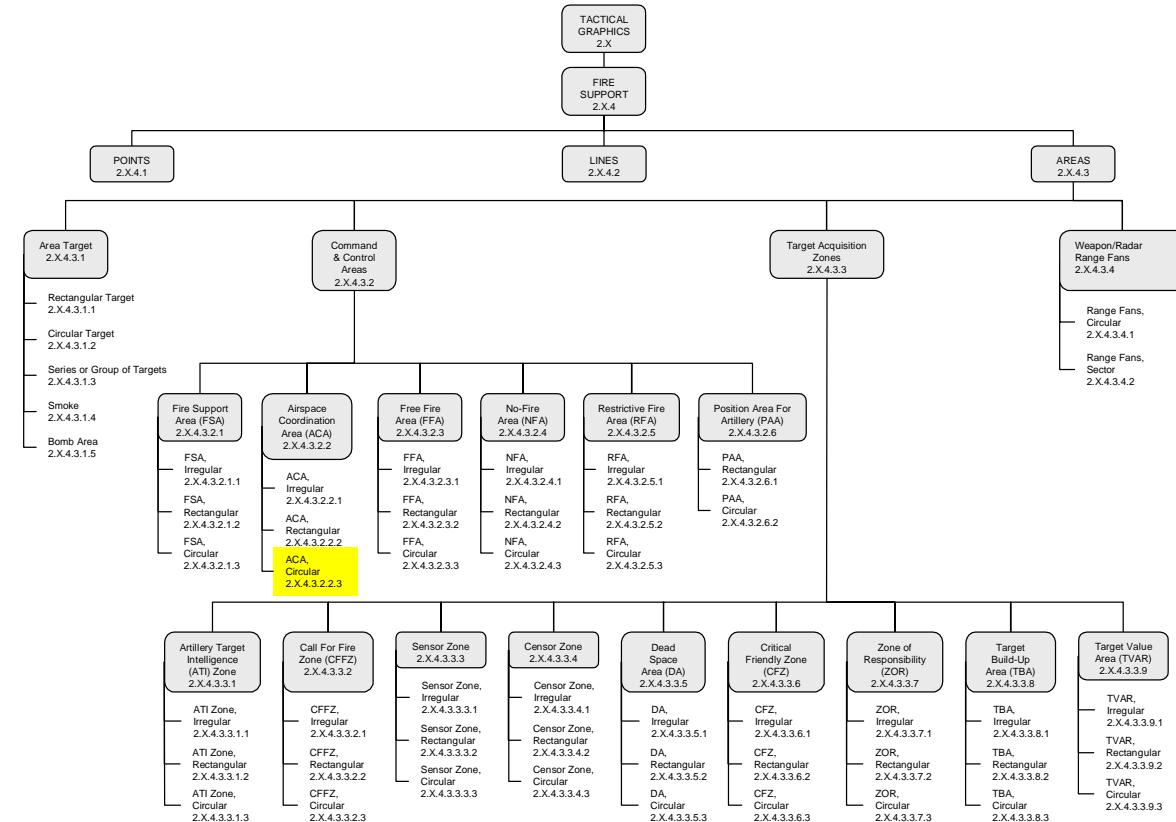


Figure B-17.2. Fire support.

Attachment A

2. Modify Table B-III to reflect restructured hierarchy numbers, provide new symbol IDs for restructured graphics and addition of new graphics' hierarchy numbers and symbol IDs.

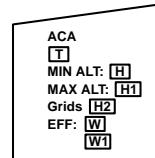
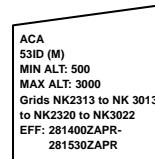
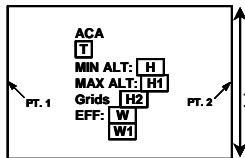
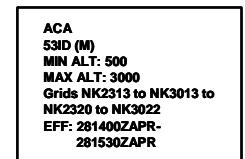
HIERARCHY										DESCRIPTION
2.X.4	G	*	F	*	--	--	--	**	**	X FIRE SUPPORT
2.X.4.1	G	*	F	*	P-	--	--	**	**	X POINT
2.X.4.1.1	G	*	F	*	PT	--	--	**	**	X TARGET
2.X.4.1.1.1	G	*	F	*	PT	S-	--	**	**	X POINT/SINGLE TARGET
2.X.4.1.1.2	G	*	F	*	PT	N-	--	**	**	X NUCLEAR TARGET
2.X.4.1.2	G	*	F	*	PC	--	--	**	**	X COMMAND AND CONTROL
2.X.4.1.2.1	G	*	F	*	PC	F-	--	**	**	X FIRE SUPPORT STATION
2.X.4.1.2.2	G	*	F	*	PC	S-	--	**	**	X SURVEY CONTROL POINT (SCP)
2.X.4.1.2.3	G	*	F	*	PC	B-	--	**	**	X FIRING POINT
2.X.4.1.2.4	G	*	F	*	PC	R-	--	**	**	X RELOAD POINT
2.X.4.1.2.5	G	*	F	*	PC	H-	--	**	**	X HIDE POINT
2.X.4.1.2.6	G	*	F	*	PC	L-	--	**	**	X LAUNCH POINT
2.X.4.2	G	*	F	*	L-	--	--	**	**	X LINES
2.X.4.2.1	G	*	F	*	LT	--	--	**	**	X LINEAR TARGET
2.X.4.2.1.1	G	*	F	*	LT	S-	--	**	**	X LINEAR SMOKE TARGET
2.X.4.2.1.2	G	*	F	*	LT	F-	--	**	**	X FINAL PROTECTIVE FIRE (FPF)
2.X.4.2.2	G	*	F	*	LC	--	--	**	**	X COMMANDAND CONTROL
2.X.4.2.2.1	G	*	F	*	LC	F-	--	**	**	X FIRE SUPPORT COORDINATION LINE (FSCL)
2.X.4.2.2.2	G	*	F	*	LC	C-	--	**	**	X COORDINATED FIRE LINE (CFL)
2.X.4.2.2.3	G	*	F	*	LC	N-	--	**	**	X NO-FIRE LINE (NFL)
2.X.4.2.2.4	G	*	F	*	LC	R-	--	**	**	X RESTRICTIVE FIRE LINE (RFL)
2.X.4.3	G	*	F	*	A-	--	--	**	**	X AREAS
2.X.4.3.1	G	*	F	*	AT	--	--	**	**	X AREA TARGET
2.X.4.3.1.1	G	*	F	*	AT	C-	--	**	**	X CIRCULAR TARGET
2.X.4.3.1.2	G	*	F	*	AT	R-	--	**	**	X RECTANGULAR TARGET
2.X.4.3.1.3	G	*	F	*	AT	G-	--	**	**	X SERIES OR GROUP OF TARGETS
2.X.4.3.1.4	G	*	F	*	AT	S-	--	**	**	X SMOKE
2.X.4.3.1.5	G	*	F	*	AT	B-	--	**	**	X BOMB AREA
2.X.4.3.2	G	*	F	*	AC	--	--	**	**	X COMMAND AND CONTROL
2.X.4.3.2.1	G	*	F	*	AC	S-	--	**	**	X FIRE SUPPORT AREA (FSA)
2.X.4.3.2.1.1	G	*	F	*	AC	SI	--	**	**	X FIRE SUPPORT AREA (FSA), IRREGULAR
2.X.4.3.2.1.2	G	*	F	*	AC	SR	--	**	**	X FIRE SUPPORT AREA (FSA), RECTANGULAR
2.X.4.3.2.1.3	G	*	F	*	AC	SC	--	**	**	X FIRE SUPPORT AREA (FSA), CIRCULAR
2.X.4.3.2.2	G	*	F	*	AC	A-	--	**	**	X AIRSPACE COORDINATION AREA (ACA)
2.X.4.3.2.2.1	G	*	F	*	AC	AI	--	**	**	X AIRSPACE COORDINATION AREA (ACA), IRREGULAR
2.X.4.3.2.2.2	G	*	F	*	AC	AR	--	**	**	X AIRSPACE COORDINATION AREA (ACA), RECTANGULAR
2.X.4.3.2.2.3	G	*	F	*	AC	AC	--	**	**	X AIRSPACE COORDINATION AREA (ACA), CIRCULAR
2.X.4.3.2.3	G	*	F	*	AC	F-	--	**	**	X FREE FIRE AREA (FFA)
2.X.4.3.2.3.1	G	*	F	*	AC	FI	--	**	**	X FREE FIRE AREA (FFA), IRREGULAR
2.X.4.3.2.3.2	G	*	F	*	AC	FR	--	**	**	X FREE FIRE AREA (FFA), RECTANGULAR
2.X.4.3.2.3.3	G	*	F	*	AC	FC	--	**	**	X FREE FIRE AREA (FFA), CIRCULAR
2.X.4.3.2.4	G	*	F	*	AC	N-	--	**	**	X NO-FIRE AREA (NFA)
2.X.4.3.2.4.1	G	*	F	*	AC	NI	--	**	**	X NO-FIRE AREA (NFA), IRREGULAR
2.X.4.3.2.4.2	G	*	F	*	AC	NR	--	**	**	X NO-FIRE AREA (NFA), RECTANGULAR
2.X.4.3.2.4.3	G	*	F	*	AC	NC	--	**	**	X NO-FIRE AREA (NFA), CIRCULAR

Attachment A

HIERARCHY								DESCRIPTION
								FUNCTION ID
								ORDER OF BATTLE
								COUNTRY CODE
								SIZE/MOBILITY
2.X.4.3.2.5	G	*	F	*	AC	R-	--	** ** X RESTRICTIVE FIRE AREA (RFA)
2.X.4.3.2.5.1	G	*	F	*	AC	RI	--	** ** X RESTRICTIVE FIRE AREA (RFA), IRREGULAR
2.X.4.3.2.5.2	G	*	F	*	AC	RR	--	** ** X RESTRICTIVE FIRE AREA (RFA), RECTANGULAR
2.X.4.3.2.5.3	G	*	F	*	AC	RC	--	** ** X RESTRICTIVE FIRE AREA (RFA), CIRCULAR
2.X.4.3.2.6	G	*	F	*	AC	P-	--	** ** X POSITION AREA FOR ARTILLERY (PAA)
2.X.4.3.2.6.1	G	*	F	*	AC	PI	--	** ** X POSITION AREA FOR ARTILLERY (PAA), IRREGULAR
2.X.4.3.2.6.2	G	*	F	*	AC	PC	--	** ** X POSITION AREA FOR ARTILLERY (PAA), CIRCULAR
2.X.4.3.3	G	*	F	*	AZ	--	--	** ** X TARGET ACQUISITION ZONES
2.X.4.3.3.1	G	*	F	*	AZ	I-	--	** ** X ARTILLERY TARGET INTELLIGENCE (ATI) ZONE
2.X.4.3.3.1.1	G	*	F	*	AZ	II	--	** ** X ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, IRREGULAR
2.X.4.3.3.1.2	G	*	F	*	AZ	IR	--	** ** X ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, RECTANGULAR
2.X.4.3.3.1.3	G	*	F	*	AZ	IC	--	** ** X ARTILLERY TARGET INTELLIGENCE (ATI) ZONE, CIRCULAR
2.X.4.3.3.2	G	*	F	*	AZ	X-	--	** ** X CALL FOR FIRE ZONE (CFFZ)
2.X.4.3.3.2.1	G	*	F	*	AZ	XI	--	** ** X CALL FOR FIRE ZONE (CFFZ), IRREGULAR
2.X.4.3.3.2.2	G	*	F	*	AZ	XR	--	** ** X CALL FOR FIRE ZONE (CFFZ), RECTANGULAR
2.X.4.3.3.2.3	G	*	F	*	AZ	XC	--	** ** X CALL FOR FIRE ZONE (CFFZ), CIRCULAR
2.X.4.3.3.3	G	*	F	*	AZ	S-	--	** ** X SENSOR ZONE
2.X.4.3.3.3.1	G	*	F	*	AZ	SI	--	** ** X SENSOR ZONE, IRREGULAR
2.X.4.3.3.3.2	G	*	F	*	AZ	SR	--	** ** X SENSOR ZONE, RECTANGULAR
2.X.4.3.3.3.3	G	*	F	*	AZ	SC	--	** ** X SENSOR ZONE, CIRCULAR
2.X.4.3.3.4	G	*	F	*	AZ	C-	--	** ** X CENSOR ZONE
2.X.4.3.3.4.1	G	*	F	*	AZ	CI	--	** ** X CENSOR ZONE, IRREGULAR
2.X.4.3.3.4.2	G	*	F	*	AZ	CR	--	** ** X CENSOR ZONE, RECTANGULAR
2.X.4.3.3.4.3	G	*	F	*	AZ	CC	--	** ** X CENSOR ZONE, CIRCULAR
2.X.4.3.3.5	G	*	F	*	AZ	D-	--	** ** X DEAD SPACE AREA (DA)
2.X.4.3.3.5.1	G	*	F	*	AZ	DI	--	** ** X DEAD SPACE AREA (DA), IRREGULAR
2.X.4.3.3.5.2	G	*	F	*	AZ	DR	--	** ** X DEAD SPACE AREA (DA), RECTANGULAR
2.X.4.3.3.5.3	G	*	F	*	AZ	DC	--	** ** X DEAD SPACE AREA (DA), CIRCULAR
2.X.4.3.3.6	G	*	F	*	AZ	F-	--	** ** X CRITICAL FRIENDLY ZONE (CFZ)
2.X.4.3.3.6.1	G	*	F	*	AZ	FI	--	** ** X CRITICAL FRIENDLY ZONE (CFZ), IRREGULAR
2.X.4.3.3.6.2	G	*	F	*	AZ	FR	--	** ** X CRITICAL FRIENDLY ZONE (CFZ), RECTANGULAR
2.X.4.3.3.6.3	G	*	F	*	AZ	FR	--	** ** X CRITICAL FRIENDLY ZONE (CFZ), CIRCULAR
2.X.4.3.3.7	G	*	F	*	AZ	Z-	--	** ** X ZONE OF RESPONSIBILITY (ZOR)
2.X.4.3.3.7.1	G	*	F	*	AZ	ZI	--	** ** X ZONE OF RESPONSIBILITY (ZOR), IRREGULAR
2.X.4.3.3.7.2	G	*	F	*	AZ	ZR	--	** ** X ZONE OF RESPONSIBILITY (ZOR), RECTANGULAR
2.X.4.3.3.7.3	G	*	F	*	AZ	ZC	--	** ** X ZONE OF RESPONSIBILITY (ZOR), CIRCULAR
2.X.4.3.3.8	G	*	F	*	AZ	B-	--	** ** X TARGET BUILD-UP AREA (TBA)
2.X.4.3.3.8.1	G	*	F	*	AZ	BI	--	** ** X TARGET BUILD-UP AREA (TBA), IRREGULAR
2.X.4.3.3.8.2	G	*	F	*	AZ	BR	--	** ** X TARGET BUILD-UP AREA (TBA), RECTANGULAR
2.X.4.3.3.8.3	G	*	F	*	AZ	BC	--	** ** X TARGET BUILD-UP AREA (TBA), CIRCULAR
2.X.4.3.3.9	G	*	F	*	AZ	V-	--	** ** X TARGET VALUE AREA (TVAR)
2.X.4.3.3.9.1	G	*	F	*	AZ	VI	--	** ** X TARGET VALUE AREA (TVAR), IRREGULAR
2.X.4.3.3.9.2	G	*	F	*	AZ	VR	--	** ** X TARGET VALUE AREA (TVAR), RECTANGULAR
2.X.4.3.3.9.3	G	*	F	*	AZ	VC	--	** ** X TARGET VALUE AREA (TVAR), CIRCULAR
2.X.4.3.4	G	*	F	*	AX	--	--	** ** X WEAPON/RADAR RANGE FAN
2.X.4.3.4.1	G	*	F	*	AX	C-	--	** ** X WEAPON/RADAR RANGE FAN, CIRCULAR
2.X.4.3.4.2	G	*	F	*	AX	S-	--	** ** X WEAPON/RADAR RANGE FAN, SECTOR

Attachment A

3. Modify and amend Table B-IV as needed to agree with Figure B-17.1, B-17.2 and Table B-III as shown above.

DESCRIPTION	STATIC/ DYNAMIC	HIERARCHY	TACTICAL GRAPHIC	
		SYM-ID		
FIRE SUPPORT AREAS COMMAND AND CONTROL AIRSPACE COORDINATION AREA (ACA)	N/A	2.X.4.3.2.2		
FIRE SUPPORT AREAS COMMAND AND CONTROL AIRSPACE COORDINATION AREA (ACA) IRREGULAR	D	2.X.4.3.2.2.1		
		G*FPACAI-- ****X		
		Example		
FIRE SUPPORT AREAS COMMAND AND CONTROL AIRSPACE COORDINATION AREA (ACA) RECTANGULAR	D	2.X.4.3.2.2.2		
<u>Parameters</u>		G*FPACAR-- ****X		
		Example		

Attachment A

DESCRIPTION	STATIC/ DYNAMIC	HIERARCHY	TACTICAL GRAPHIC
		SYM-ID	
FIRE SUPPORT AREAS COMMAND AND CONTROL AIRSPACE COORDINATION AREA (ACA) CIRCULAR <p><u>Parameters</u></p> <ol style="list-style-type: none"> 1. Anchor Points. This graphic requires one (1) anchor point and a radius. Point 1 defines the center point of the graphic. 2. Size/Shape. Size: The radius, defined in meters, defines the size. Shape: Circle. The information fields should be scaleable within the circle. 3. Orientation. Not applicable. 	D	2.X.4.3.2.2.3	<p>The tactical graphic shows a circular area labeled "ACA". Inside the circle, there is a small square labeled "PT. 1" at the top left. At the top right, there is a label "RADUS (M)" with an arrow pointing to a value "H". In the center of the circle, there is a small square labeled "H". To the left of the circle, there is a label "Grids H2" and below it "EFF: W W1".</p>
		G*FPACAC-- ****X	
		Example	<p>The tactical graphic shows a circular area labeled "ACA". Inside the circle, there is a small square labeled "S3ID (M)". Below the circle, there is a label "Grids NK2313 to NK3013" and "EFF: 281400ZAPR- 281530ZAPR".</p>